

Lista publikacji

1. Oryginalne opublikowane prace twórcze:

- 1.1. H. Sugier, A. Duda
"The γ -Radiolysis of Polycrystalline Zinc Oxide"
Radiochem. Radioanal. Lett. **27**, 359-366(1977)
- 1.2. S. Penczek, R. Slazak, A. Duda
"Anionic Copolymerization of Elemental Sulphur"
(a) *Nature* **273**, 738-739(1978); (b) *Nature* **280**, 846(1979)
- 1.3. A. Duda, S. Penczek
"Anionic Copolymerization of Elemental Sulphur with 2,2-Dimethylthiirane"
Makromol. Chem. **181**, 995-1001(1980)
- 1.4. S. Penczek, A. Duda
"Anionic Copolymerization of Elemental Sulphur"
Pure Appl. Chem. **53**, 1679-1687(1981)
- 1.5. A. Duda, S. Penczek
"Anionic Copolymerization of Elemental Sulphur with Propylene Sulfide"
Macromolecules **15**, 36-40(1982)
- 1.6. A. Sokolowska, A. Duda
"Zastosowanie Spektroskopii Ramana do Badania Kopolimeryzacji Siarki Elementarnej"
Polimery (Warsaw) **27**, 201-204(1982)
- 1.7. A. Duda, R. Szymanski, S. Penczek
"Anionic Copolymerization of Elemental Sulphur with Propylene Sulfide. Equilibrium Sulphur Concentration"
J. Macromol. Sci.-Chem. **20**, 967-978(1983)
- 1.8. T. Baran, A. Duda, S. Penczek
"Anionic Polymerization of Norbornene Trisulfide"
J. Polym. Sci., Polym. Chem. Ed. **22**, 1085-1095(1984)
- 1.9. T. Baran, A. Duda, S. Penczek
"Anionic Polymerization of Dicyclopentadiene Trisulfide"
Makromol. Chem. **185**, 2337-2346(1984)
- 1.10. S. Sosnowski, A. Duda, S. Slomkowski, S. Penczek
"Determination by ^{31}P -NMR of the Structure of Active Centers in the Anionic Polymerization. End-Capping with a P-containing Reagent"
Makromol. Chem., Rapid Commun. **5**, 551-558(1984)
- 1.11. A. Duda, S. Penczek
"Liquid Oligomeric Diols with High Sulfur Content from Elemental Sulfur, Cyclic Sulfides and Dihydroksypolysulfides"
Makromol. Chem., Rapid Commun. **9**, 151-158(1988)

- 1.12. P. Labuk, A. Duda, S. Penczek
"Reaction of Elemental Sulfur with Acrylonitrile"
Phosphorus Sulfur Silicon **42**, 107-109(1989)
- 1.13. A. Duda, S. Penczek
"Thermodynamics of L-lactide Polymerization"
Macromolecules **23**, 1636-1639(1990)
- 1.14. A. Duda, Z. Florjanczyk, A. Hofman, S. Slomkowski, S. Penczek
"Living Pseudoanionic Polymerization of ϵ -Caprolactone. Poly(ϵ -caprolactone) Free of Cyclics and with Controlled End-Groups"
Macromolecules **23**, 1640-1646(1990)
- 1.15. (a) A. Duda, S. Penczek
"Anionic and Pseudoanionic Polymerization of ϵ -Caprolactone"
Polym. Prepr. (Am. Chem. Soc., Div. Polym. Chem.) **30**(1), 12-13(1990)
(b) A. Duda, S. Penczek
"Anionic and Pseudoanionic Polymerization of ϵ -Caprolactone"
Makromol. Chem., Macromol. Symp. **42/43**, 135-143(1991)
- 1.16. S. Penczek, A. Duda
"Polymerization and Copolymerization of Elemental Sulphur"
Phosphorus, Sulfur and Silicon **59**, 47-62(1991)
- 1.17. A. Duda, S. Penczek
"Kinetics of ϵ -Caprolactone Polymerization on Dialkylaluminum Alkoxides"
Makromol. Chem., Macromol. Symp. **47**, 127-140(1991)
- 1.18. (a) S. Penczek, A. Duda, S. Slomkowski
"Living Pseudoanionic Polymerization of Lactones"
Polym. Prepr. (Am. Chem. Soc., Div. Polym. Chem.) **32**(1), 306-307(1991)
(b) S. Penczek, A. Duda, S. Slomkowski
"The Reactivity-Selectivity Principle. The Case of Polymerization of ϵ -CL"
Makromol. Chem., Macromol. Symp. **54/55**, 31-40(1992)
- 1.19. A. Duda
"Anionic Polymerization of 4-Methyl-2-oxetanone (β -Butyrolactone)"
J. Polym. Sci., Part A: Polym. Chem. **30**, 21-29(1992)
- 1.20. S. Penczek, A. Duda, K. Kaluzynski, G. Lapienis, A. Nyk, R. Szymanski
"Thermodynamics and Kinetics of Ring-Opening Polymerization of Cyclic Alkylene Phosphates"
Makromol. Chem., Macromol. Symp. **73**, 91-101(1993)
- 1.21. A. Duda, S. Penczek
"Kinetics of Polymerization Involving Reversible Deactivation Due to Aggregation of Active Centers. Analytical vs Numerical Solution for the ϵ -Caprolactone/Dialkylaluminium Alkoxide System"
Macromol. Rapid Commun. **15**, 559-566(1994)

- 1.22. A. Duda
"Preparation of Telechelic Polyester Oligodiols by the Chain-Transfer Polymerization of ϵ -Caprolactone"
Macromolecules **27**, 576-582(1994)
- 1.23. A. Duda, S. Penczek
"Determination of the Absolute Propagation Rate Constants in Polymerization with Reversible Aggregation of Active Centers"
Macromolecules **27**, 4867-4872(1994)
- 1.24. T. Biela, A. Duda, S. Penczek
"Factors Affecting "Livingness" in Polymerization Initiated with Aluminum Alkoxides"
Polym. Prepr. (Am. Chem. Soc., Div. Polym. Chem.) **35**(2), 508-509(1994)
- 1.25. A. Duda, S. Penczek
"On the Difference of Reactivities of Various Aggregated Forms of Aluminum Isopropoxide in Initiating Ring-opening Polymerizations"
Macromol. Rapid Commun. **16**, 67-76(1995)
- 1.26. A. Duda, S. Penczek
"Polymerization of ϵ -Caprolactone Initiated by Aluminum Isopropoxide Trimer and/or Tetramer"
Macromolecules **28**, 5981-5992(1995)
- 1.27. S. Penczek, A. Duda
"The Kinetics and Mechanism of ϵ -Caprolactone Polymerization Initiated with Covalent Metal Alkoxides"
Polym. Mat. Sci. Eng. **72**, 228-229(1995)
- 1.28. S. Penczek, R. Szymanski, A. Duda
"Polymerization with Contribution of Covalent and Ionic Species"
Macromol. Symp. **98**, 193-216(1995)
- 1.29. (a) S. Penczek, A. Duda, R. Szymanski
"Selectivity as a Measure of "Livingness". The Case of Cyclic Esters Polymerization"
Polym. Prepr. (Am. Chem. Soc., Div. Polym. Chem.) **37**(1), 219-220(1996)
(b) S. Penczek, A. Duda
"Selectivity as a Measure of "Livingness" of the Polymerization of Cyclic Esters"
Macromol. Symp. **107**, 1-15(1996)
- 1.30. T. Biela, A. Duda
"Solvent Effect in the Polymerization of ϵ -Caprolactone Initiated with Diethylaluminum Ethoxide"
J. Polym. Sci., Part A: Polym. Chem. **34**, 1807-1813(1996)
- 1.31. A. Duda, S. Penczek, Ph. Dubois, D. Mecerreyes, R. Jerome
"Oligomerization and Copolymerization of γ -Butyrolactone - a Monomer Known as Unable to Homopolymerize. 1. Copolymerization with ϵ -Caprolactone"
Macromol. Chem. Phys. **197**, 1273-1283(1996)

- 1.32. A. Duda
"Polymerization of ϵ -Caprolactone Initiated by Aluminum Isopropoxide Carried Out in the Presence of Alcohols and Diols. Kinetics and Mechanism"
Macromolecules **29**, 1399-1406(1996)
- 1.33 J. Baran, A. Duda, A. Kowalski, R. Szymanski, S. Penczek
"Quantitative Comparison of Selectivities in the Polymerization of Cyclic Esters"
Macromol. Symp. **123**, 93-101(1997)
- 1.34. J. Baran, A. Duda, A. Kowalski, R. Szymanski, S. Penczek
"Intermolecular Chain Transfer to Polymer with Chain Scission: General Treatment and Determination of k_p/k_{tr} in L,L-Lactide Polymerization"
Macromol. Rapid Commun. **18**, 325-333(1997)
- 1.35. A. Duda
"Poszerzenie Rozkładu Stopnia Polimeryzacji Makrocząsteczek w Polimeryzacji Żyjącej"
Polimery (Warsaw) **43**, 135-143(1998)
- 1.36. A. Duda, T. Biela, J. Libiszowski, S. Penczek, Ph. Dubois, D. Mecerreyes, R. Jerome
"Block and Random Copolymers of ϵ -Caprolactone"
Polym. Degrad. Stab. **59**, 215-222(1998)
- 1.37 V. Simic, V. Girardon, N. Spassky, L. G. Hubert-Pfalzgraf, A. Duda
"Ring-Opening Polymerization of Lactides Initiated with Yttrium Tris-Isopropoxyethoxide"
Polym. Degrad. Stab. **59**, 227-230(1998)
- 1.38. A. Kowalski, A. Duda, S. Penczek
"Polymerization of L,L-Lactide Initiated with Aluminum Isopropoxide Trimer or Tetramer"
Macromolecules **31**, 2114-2122(1998)
- 1.39. S. Penczek, A. Duda, R. Szymanski
"Intra- and Intermolecular Chain Transfer to Macromolecules with Chain Scission. The Case of Cyclic Esters"
Macromol. Symp. **132**, 441-449(1998)
- 1.40. S. Penczek, A. Duda, J. Libiszowski
"Controlled Polymerization of Cyclic Esters. Structure of Initiators and of Active Species Related to the Selectivity of Initiation and Propagation"
Macromol. Symp. **128**, 241-254(1998)
- 1.41. A. Kowalski, A. Duda, S. Penczek
"Kinetics and Mechanism of Cyclic Esters Polymerization Initiated with Tin(II) Octoate, 1. Polymerization of ϵ -Caprolactone"
Macromol. Rapid Commun. **19**, 567-572(1998)
- 1.42. A. Kowalski, J. Libiszowski, A. Duda, S. Penczek
"Kinetics and Mechanism of Polymerization of Cyclic Esters"
Polym. Prepr. (Am. Chem. Soc., Div. Polym. Chem.) **39**(2), 74-75 (1998)

- 1.43. S. Penczek, A. Duda, A. Kowalski, J. Libiszowski
"Controlled Polymerization of Cyclic Esters. Covalent Metal Alkoxides vs Carboxylates: $\text{Sn}(\text{OC}_4\text{H}_9)_2$ vs $\text{Sn}(\text{OC}(\text{O})\text{C}_7\text{H}_{15})_2$ (viz. $\text{Sn}(\text{Oct})_2$)"
Polym. Mat. Sci. Engng. **80**, 95-96 (1999)
- 1.44. A. Kowalski, A. Duda, S. Penczek
"Kinetics and Mechanism of Cyclic Esters Polymerization Initiated with Tin(II) Octoate. 2. Macromolecules fitted with Tin(II) Alkoxide Species Observed Directly in MALDI-TOF Spectra"
Macromolecules **33**, 689-695(2000)
- 1.45. A. Kowalski, J. Libiszowski, A. Duda, S. Penczek
"Polymerization of L,L-Dilactide Initiated by Tin(II) Butoxide"
Macromolecules **33**, 1964-1971(2000)
- 1.46. A. Duda, S. Penczek, A. Kowalski, J. Libiszowski
"Polymerizations of ϵ -Caprolactone and L,L-Dilactide Initiated with Stannous Octoate and Stannous Butoxide - a Comparison"
Macromol. Symp. **153**, 41-53(2000)
- 1.47. S. Penczek, T. Biela, A. Duda
"Living Polymerization with Reversible Chain Transfer and Reversible Deactivation: the Case of Cyclic Esters"
Macromol. Rapid Commun. **21**, 941-950(2000)
- 1.48. S. Penczek, A. Duda, A. Kowalski, J. Libiszowski, K. Majerska, T. Biela,
"On the Mechanism of Polymerization of Cyclic Esters Induced by Tin(II) Octoate"
Macromol. Symp. **157**, 61-70(2000)
- 1.49. A. Kowalski, A. Duda, S. Penczek
"Kinetics and Mechanism of Cyclic Esters Polymerization Initiated with Tin(II) Octoate. 3. Polymerization of L,L-Dilactide"
Macromolecules **33**, 7359-7370(2000)
- 1.50. K. Majerska, A. Duda, S. Penczek
"Kinetics and Mechanism of Cyclic Esters Polymerization Initiated with Tin(II) Octoate. 4. Influence of 2,6-Ditertbutylpyridine on Kinetics of Polymerization of ϵ -Caprolactone and L,L-Dilactide"
Macromol. Rapid Commun. **21**, 1327-1332(2000)
- 1.51. J. Libiszowski, A. Kowalski, A. Duda, S. Penczek
„Kinetics and Mechanism of Cyclic Esters Polymerization Initiated with Covalent Metal Carboxylates, 5 End-group Studies in the Model ϵ -Caprolactone and L,L-Dilactide)/Tin(II) and Zinc Octoate/Butyl Alcohol Systems"
Macromol. Chem. Phys. **203**, 1694-1701(2002)

- 1.52. A. Duda, A. Kowalski, S. Penczek, H. Uyama, S. Kobayashi
“Kinetics of the Ring-Opening Polymerization of 6-, 7-, 9-, 12-, 13-, 16-, and 17-membered Lactones. Comparison of Chemical and Enzymatic Polymerization”
Macromolecules **35**, 4266-4270(2002)
- 1.53. S. Kulshrestha, J. Libiszowski, A. Duda, S. Penczek, R. Gross
“Enzyme Catalyzed Lactone Polymerizations: End Group Functionalization”
Polym. Prepr. (Am. Chem. Soc., Div. Polym. Chem.) **42**(2), 1205-1206 (2002)
- 1.54. T. Biela, A. Duda, S. Penczek, K. Rode, H. Pasch
“Well-Defined Star Poly(lactides) and Their Behaviour in Two-Dimensional Chromatography”
J. Polym. Sci., Part A: Polym. Chem. **40**, 2884-2887(2002)
- 1.55. T. Biela, A. Duda, S. Penczek
“Control of M_n , M_w/M_n , end-groups, and kinetics in living polymerization of cyclic esters”
Macromol. Symp. **183**, 1-10(2002)
- 1.56. (a) I. Ydens, Ph. Degee, J. Libiszowski, A. Duda, S. Penczek, Ph. Dubois
“Controlled Synthesis of Amphiphilic Poly(Methyl Methacrylate)-g-[Poly(ester)/Poly(ether)] Graft Terpolymers”
Polym. Prepr. (Am. Chem. Soc., Div. Polym. Chem.) **42**(2), 39-40(2002)
(b) I. Ydens, Ph. Degee, J. Libiszowski, A. Duda, S. Penczek, Ph. Dubois
“Controlled Synthesis of Amphiphilic Poly(Methyl Methacrylate)-g-[Poly(ester)/Poly(ether)] Graft Terpolymers”
In *Advances in Controlled/Living Radical Polymerization (Am. Chem. Soc., Symp. Ser. 854)* K. Matyjaszewski, ed., American Chemical Society, Washington DC 2003, pp. 283-298
- 1.57. I. Ydens, Ph. Degee, Ph. Dubois, J. Libiszowski, A. Duda, S. Penczek
“Combining ATRP of Methacrylates and ROP of L,L-Dilactide and ϵ -Caprolactone”
Macromol. Chem. Phys. **204**, 171-179(2003)
- 1.58. T. Biela, A. Duda, K. Rode, H. Pasch
“Characterization of Star-shaped Poly(L-lactide)s in Two-Dimensional Chromatography”
Polymer **44**, 1851-1860(2003)
- 1.59. S. Penczek, R. Szymanski, A. Duda, J. Baran
“Living Polymerization of Cyclic Esters – a Route to (Bio)degradable Polymers. Influence of Chain Transfer to Polymer on Livingness”
Macromol. Symp. **201**, 261-269(2003)
- 1.60. J. Libiszowski, A. Kowalski, R. Szymanski, A. Duda, J.-M. Raquez, Ph. Degée, Ph. Dubois
“Monomer – Linear Macromolecules – Cyclic Oligomers Equilibria in the Polymerization of 1,4-Dioxan-2-one”
Macromolecules **37**, 52-59(2004)

- 1.61. A. Duda, K. Majerska
“Stereocontrolled Polymerization of Racemic Lactide: Combining Stereoselection and Chiral Ligand-Exchange Mechanism”
J. Am. Chem. Soc. **126**, 1026-1027(2004)
- 1.62. J. Libiszowski, A. Kowalski, T. Biela, A. Duda
“Thermal Stability of Poly(L-Lactide) Prepared by Polymerization of L,L-Lactide with Sn(II) Based Initiators”
Polimery (Warsaw) **49**, 690-697(2004)
- 1.63. J. Mosnáček, A. Duda, J. Libiszowski, S. Penczek
“Copolymerization of L,L-Lactide at Its Living Polymer-Monomer Equilibrium with ϵ -Caprolactone as Comonomer”
Macromolecules **38**, 2027-2029(2005)
- 1.64. A. Duda, A. Kowalski, J. Libiszowski, S. Penczek
“Thermodynamic and Kinetic Polymerizability of Cyclic Esters”
Macromol. Symp. **224**, 71-84(2005)
- 1.65. T. Biela, A. Duda, H. Pasch, K. Rode
“Star-shaped Poly(L-lactide)s with Variable Numbers of Hydroxyl Groups at Polyester Arms Chain-ends and Directly Attached to the Star-shaped Core – Controlled Synthesis and Characterization”
J. Polym. Sci., Part A: Polym. Chem. **43**, 6116-6133(2005)
- 1.66. M. Danko, J. Libiszowski, T. Biela, M. Wolszczak, A. Duda
“Molecular Dynamics of Star-shaped Poly(L-lactide)s in Tetrahydrofuran as Solvent Monitored by Fluorescence Spectroscopy”
J. Polym. Sci., Part A: Polym. Chem., **43**, 4586-4599(2005)
- 1.67. A. Duda, J. Libiszowski, J. Mosnáček, S. Penczek
“Copolymerization of Cyclic Esters at the Living Polymer-Monomer Equilibrium” *Macromol. Symp.* **226**, 109-120(2005)
- 1.68. J. Libiszowski, A. Kowalski, T. Biela, M. Cypryk, A. Duda, S. Penczek
“Kinetics and Mechanism of Cyclic Esters Polymerization Initiated with Tin(II) Octoate. Polymerization of ϵ -Caprolactone and L,L-Lactide Coinitiated with Primary Amines”
Macromolecules **38**, 8170-8176(2005)
- 1.69. T. Biela, A. Duda, S. Penczek
„Enhanced Melt Stability of Star-shaped Stereocomplexes as Compared with Linear Stereocomplexes”
Macromolecules **39**, 3710-3713(2006)
- 1.70. M. Florczak, A. Kowalski, J. Libiszowski, K. Majerska, A. Duda,
“Application of the ^{27}Al NMR Spectroscopy to Studies of Polymerization Mechanisms”
Polimery **52** (10), 722-729(2007)

- 1.71. A. Kowalski, J. Libiszowski, K. Majerska, A. Duda, S. Penczek
“Kinetics and Mechanism of ϵ -Caprolactone and L,L-Lactide Polymerization Initiated With Zinc Octoate And Aluminum *tris*-Acetylacetonate: The Next Proofs For The General Alkoxide Mechanism And Synthetic Applications”
Polymer **48**, 3952-3960(2007)
- 1.72. M. Florczak, J. Libiszowski, J. Mosnacek, A. Duda, S. Penczek
„L,L-Lactide and ϵ -caprolactone Block Copolymers by a ‘Poly(L,L-lactide) First’ Route”
Macromol. Rapid Commun. **28**, 1385-1391(2007)
- 1.73. W. Tomaszewski, A. Duda, M. Szadkowski, J. Libiszowski, D. Ciechanska
Poly(L-lactide) Nano- and Microfibers by Electrospinning: Influence of Poly(L-lactide) Molecular Weight
Macromol. Symp. **272**, 70-74(2008)
- 1.74. M. Florczak, A. Duda
“Effect of the Configuration of the Active Center on Comonomer Reactivities: The Case of ϵ -Caprolactone/L,L-Lactide Copolymerization”
Angew. Chem. Int. Ed. **47**, 9088-9091(2008)
- 1.75. M. Danko, J. Libiszowski, M. Wolszczak, D. Racko, A. Duda
“Fluorescence study of the Dynamics of a Star-shaped Poly(ϵ -caprolactone)s in THF: A Comparison with a Star-shaped Poly(L-lactide)s”
Polymer **50**, 2209-2219(2009)
- 1.76. A. Sroka-Bartnicka, W. Ciesielski, J. Libiszowski, A. Duda, M. Sochacki, M. J. Potrzebowski
„Complementarity of Solvent-Free MALDI TOF and Solid-State NMR Spectroscopy in Spectral Analysis of Poly(lactides)”
Anal. Chem. **82**, 323-328(2010)
- 1.77. B. Miksa, M. Sochacki, J. Libiszowski, A. Duda, W. Ciesielski, M. J. Potrzebowski
“Application of ionic liquid matrices in spectral analysis of poly(lactide) - solid state NMR spectroscopy versus matrix-assisted laser desorption/ionization time-of-flight (MALDI-TOF) mass spectrometry”
Analytical Methods **4**, 377-383(2012)
- 1.78. M. Vachaudéz, D. R. D'hooge, M. Socka, J. Libiszowski, O. Coulembier, M.F. Reyniers, A. Duda, G.B. Marin, Ph. Dubois
“Inverse dependencies on the polymerization rate in atom transfer radical polymerization of N-isopropylacrylamide in aqueous medium”
React. Funct. Polymers **73**, 484-491(2013)
- 1.79. M. Basko, A. Duda, S. Kazmierski, P. Kubisa
„Cationic Copolymerization of Racemic-beta-Butyrolactone with L,L-Lactide: One-Pot Synthesis of Block Copolymers”
J. Polym. Sci. Part A: Polym. Chem. **51**, 4873-4884(2013)

- 1.80. M. Socka, A. Duda, A. Adamus, R.A. Wach, P. Ulanski
„Lactide/trimethylene carbonate triblock copolymers: Controlled sequential polymerization and properties”
Polymer **87**, 50-63(2016)

2. Prace przeglądowe:

- 2.1. A. Duda, S. Penczek
"Polimeryzacja Jonowa i Pseudojonowa"
Polimery (Warsaw) **34**, 429-433(1989)
- 2.2. A. Duda
"Zastosowanie Zasady Łączącej Reaktywność z Selektownością do Analizy Procesów Polimeryzacji”
Polimery (Warsaw) **37**, 293-297(1992)
- 2.3. A. Duda, P. Kubisa, S. Penczek
"Progress in Mechanistic Studies of Anionic and Cationic Polymerizations"
Indian J. Technol. **31**, 222-233(1993)
- 2.4. A. Duda, A. Kowalski, J. Libiszowski
“Kinetyka i Mechanizm Polimeryzacji ϵ -Kaproilaktonu Inicjowanej Oktanianem Cynawym”
Polimery (Warsaw) **45**, 465-474(2000)
- 2.5. S. Penczek, A. Duda, R. Szymanski, T. Biela
“What We Have Learned in General from Cyclic Esters Polymerization”
Macromol. Symp. **153**, 1-15(2000)
- 2.6. A. Duda
„Controlled synthesis of poly(ϵ -caprolactone) and poly(L-lactide) of various architectures”
Polimery (Warsaw) **47**, 469-478(2002)
- 2.7. A. Duda, S. Penczek
„Polilaktyd [Poli(kwas mlekowy)]: Synteza, Właściwości i Zastosowania”
Polimery (Warsaw) **48**, 16-27(2003)
- 2.8. A. Duda
“Stereocontrolled Polymerization of Chiral Heterocyclic Monomers”
Polimery (Warsaw) **49**, 469-478(2004)
- 2.9. A. Duda, T. Biela, J. Libiszowski, A. Kowalski
“Amines as (Co)initiators of Cyclic Esters Polymerization”
Polimery **50**, 501-508(2005)
- 2.10. T. Biela, A. Kowalski, J. Libiszowski, A. Duda, S. Penczek
“Progress in Polymerization of Cyclic Esters: Mechanism and Synthetic Applications”
Macromol. Symp. **240**, 47-55(2006)

- 2.11. A. Duda, A. Kowalski
"Zdolność do Polimeryzacji Cyklicznych Estrów Alifatycznych"
Polimery **52**, 487-495(2007)
- 2.12. S. Penczek, M. Cypryk, A. Duda, P. Kubisa, S. Slomkowski
„Living Ring-Opening Polymerizations of Heterocyclic Monomers”
Progr. Polym. Sci. **32**, 247-282(2007)
- 2.13. J.-M. Raquez, O. Coulembier, A. Duda, R. Narayan, P. Dubois
“Recent Advances in the Synthesis and Applications of Poly(1,4-dioxan-2-one)-
based Copolymers”
Polimery **54**, 163-178(2009)
- 2.14. S. Slomkowski, S. Penczek, A. Duda
“Polylactides - an overview”
Polym. Adv. Technol. **25**, 436-447(2014)
- 2.15. A. Duda, P. Kubisa, K. Matyjaszewski, S. Slomkowski
“Professor Stanislaw Penczek - the polymers world and not only”
Polimery **59**, 3-8(2014)
- 2.16. A. Duda, P. Kubisa, G. Lapienis, S. Slomkowski
“Milestones in development of a ring-opening polymerization of the heterocyclic
monomers - view from a personal perspective”
Polimery **59** 9-23(2014)

3. Hasła w encyklopediach, rozdziały w monografiach:

- 3.1. (a) A. Duda, S. Penczek
"Sulfur-Containing Polymers"
Encyclopedia of Polymer Science and Engineering, ed. H. Mark et al., J. Wiley
and Sons, New York 1989, vol.16, pp. 246-368
(b) A. Duda, S. Penczek
"Sulfur-Containing Polymers"
Concise Encyclopedia of Polymer Science and Engineering, ed. H. Mark et al., J.
Wiley and Sons, New York 1990, pp. 1141-1148
- 3.2. S. Slomkowski, A. Duda
"Anionic Ring-Opening Polymerization"
Ring-Opening Polymerization: Mechanism, Catalysis, Structure, Utility, ed. D.J.
Brunelle, Hanser Publisher, New York 1993, pp. 87-128
- 3.3. S. Penczek, A. Duda, R. Szymanski, J. Baran, J. Libiszowski, A. Kowalski
“Kinetics of Elementary Reactions in Cyclic Esters Polymerization”
Ionic Polymerizations and Related Processes, J. E. Puskas et al. ed., Kluwer
Academic Publishers, Amsterdam 1999, pp. 283-299
- 3.4. A. Duda, S. Penczek
“Thermodynamics, Kinetics, and Mechanism of Cyclic Esters Polymerization” In
*Polymers from Renewable Resources: Biopolyesters and Biocatalysis (Am. Chem.
Soc., Symp. Ser. 764)* C. Scholz, R. A. Gross, eds., Oxford University Press - USA,
Washington DC 2000, pp.160-199

- 3.5. A. Duda, S. Penczek
“Mechanisms of Aliphatic Polyester Formation”, in *Biopolymers, Vol. 3b: Polyesters II – Properties and Chemical Synthesis*, ed. by A. Steinbüchel, Y. Doi, Wiley-VCH, Weinheim 2002, Chapter 12, pp. 371-430
- 3.6. S. Penczek, A. Duda, P. Kubisa
„Living Ring-Opening Polymerizations of Heterocyclic Monomers”
in *Living and Controlled Polymerization*, J. Grodzinski, ed., Nova Science Publishers Inc., New York 2005, pp.173-212
- 3.7. S. Penczek, A. Duda, P. Kubisa, S. Slomkowski
„Ionic and Coordination Ring-opening Polymerization”
in *Macromolecular Engineering, Precise Synthesis, Material Properties, Applications*, Vol. 1, Ch. 4, K. Matyjaszewski, Y. Gnanou, L. Leibler, eds., WILEY-VCH Verlag GmbH & Co. KGaA, Weinheim, 2007, pp. 103-159
- 3.8. A. Duda, A. Kowalski
„Thermodynamics and Kinetics of Ring-Opening Polymerization”
in *Handbook of Ring-Opening Polymerization*, Ch.1, Ph. Dubois, Ph. Degee, O. Coulembier, J.-M. Raquez, eds., WILEY-VCH Verlag GmbH & Co. KGaA, Weinheim, 2009, pp. 1-51
- 3.9. S. Penczek, M. Cypryk, A. Duda, P. Kubisa, S. Slomkowski
„Living Ring-Opening Polymerization of Heterocyclic Monomers”
in *Controlled and Living Polymerizations. From Mechanisms to Applications*, Ch.5, K. Matyjaszewski, A. H. E. Mueller, eds., WILEY-VCH Verlag GmbH & Co. KGaA, Weinheim, 2009, pp. 241-296
- 3.10. A. Duda
“ROP of Cyclic Esters. Mechanisms of Ionic and Coordination Processes” in *Polymer Science: A Comprehensive Reference*, vol. 4, Matyjaszewski K., Möller M., eds., Amsterdam: Elsevier BV; 2012. pp. 213-245